

In the Specification

1. Please amend paragraph [0001] on page 2 as follows:

This application is related to US Application No.: ~~09/XXX,XXX~~ 09/990,487, entitled " Method for Bonding Aligned Optical Parts and Apparatus thereof ", commonly assigned, filed 11/16/2001, which is hereby incorporated by reference.

2. Please amend paragraph [0008] on page 4 as follows:

The present invention pertains to improved designs of optical multiplexing/demultiplexing module used to demultiplex a composite optical signal into respective individual channels or wavelengths or to multiplex individual channels or wavelengths into a composite optical signal. According to one aspect of the present invention, the optical multiplexing/demultiplexing module comprises an array of collimators, an array of optical filters and an array of mirrors. The collimators are bonded to a common substrate after being aligned with a respective optical filter. Different from the prior art devices, the aligned positions of the collimators are secured or help-held up by preformed wedges. A bonding agent is then applied only to respective contacts between the collimators and the wedges. The wedges are further bonded to a common substrate to secure the collimators. In one embodiment, the optical filters as well as the mirrors that have been aligned with the collimators may be also bonded to the substrate. As a result, integrated multiplexing/demultiplexing modules can be configured small in size and easy to be assembled or manufactured. Because all components are bonded or fixed to one or more common substrates, the resultant multiplexing/-demultiplexing modules can remain stable in varying working condition.

3. Please amend paragraph [0019] on page 6 as follows:

FIG. 6 shows an exemplary setting in which two parallel collimators are being bonded to a substrate with ~~4~~ four wedges.

4. Please amend the abstract on page 17 as follows:

Improved designs of optical multiplexing/demultiplexing module are disclosed for use in multiplexing a composite optical signal into respective individual channels or wavelengths or demultiplexing individual channels or wavelengths into a composite optical signal. According to one embodiment, the optical multiplexing/demultiplexing module comprises an array of collimators, an array of optical filters and an array of mirrors. The collimators are bonded to a common substrate after being aligned with a respective optical filter. Different from the prior art devices, the aligned positions of the collimators are secured or ~~help~~ held up by preformed wedges. A bonding agent is then applied only to respective contacts between the collimators and the wedges. The wedges are further bonded to a common substrate to secure the collimators.